

Abstract

1  
2 A method of manufacturing pistons and components thereof,  
3 piston heads for example, especially intended for internal-  
4 combustion engines, wherein in an initial manufacturing step  
5 a blank that will eventually constitute the piston or piston  
6 component is preliminarily forged along a prescribed axis,  
7 shaping appropriate contours, and wherein in at least one  
8 subsequent manufacturing step the preliminarily shaped piston  
9 is finally forged along at least one other axis, creating  
10 additional contours.

2 1. blank  
3 1'. axis  
4 1". axis  
5 2. cavity  
6 3. circumference  
7 4. upper face  
8 5. structures  
9 6. side  
10 8. excess material  
11 9. excess material  
12 10. forging tool  
13 11. upper die half  
14 12. lower die half  
15 13. tool part  
16 14. tool part  
17 15. tool part  
18 16. tool part  
19 17. tool part  
20 18. piston-and-cylinder mechanism  
21 19. surface  
22 20. surface  
23 21. circumference  
24 22. skirt  
25 23. web